

Input data

System of measurement		Metric
Input type		Gear motor
Input speed	[rpm]	1400
Output speed	[rpm]	91.98
Ratio (i=)		15.22
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	7.5
Service factor		0.9
Rated Power P1	[kW]	6.52

Output data

Gear unit	M RD 42 B3 H1 15.22 132 B14 AU 35x70 MT 7.5 kW 132 M4 B14 X3
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Type		RD - Helical gearboxes
Input type		M
Size		42
Ratio (i=)		15.22
Input flange		B14
Mounting position		H1
Input speed	[rpm]	1400
Output speed	[rpm]	91.98
Rated output torque	[Nm]	747.52
Service Factor		0.9
Efficiency		0.96
Inertia moment	[kgm ²]	0.000877

Gear unit configuration

Fixing		Feet
Output shaft		AU 35x70

Output radial and axial loads

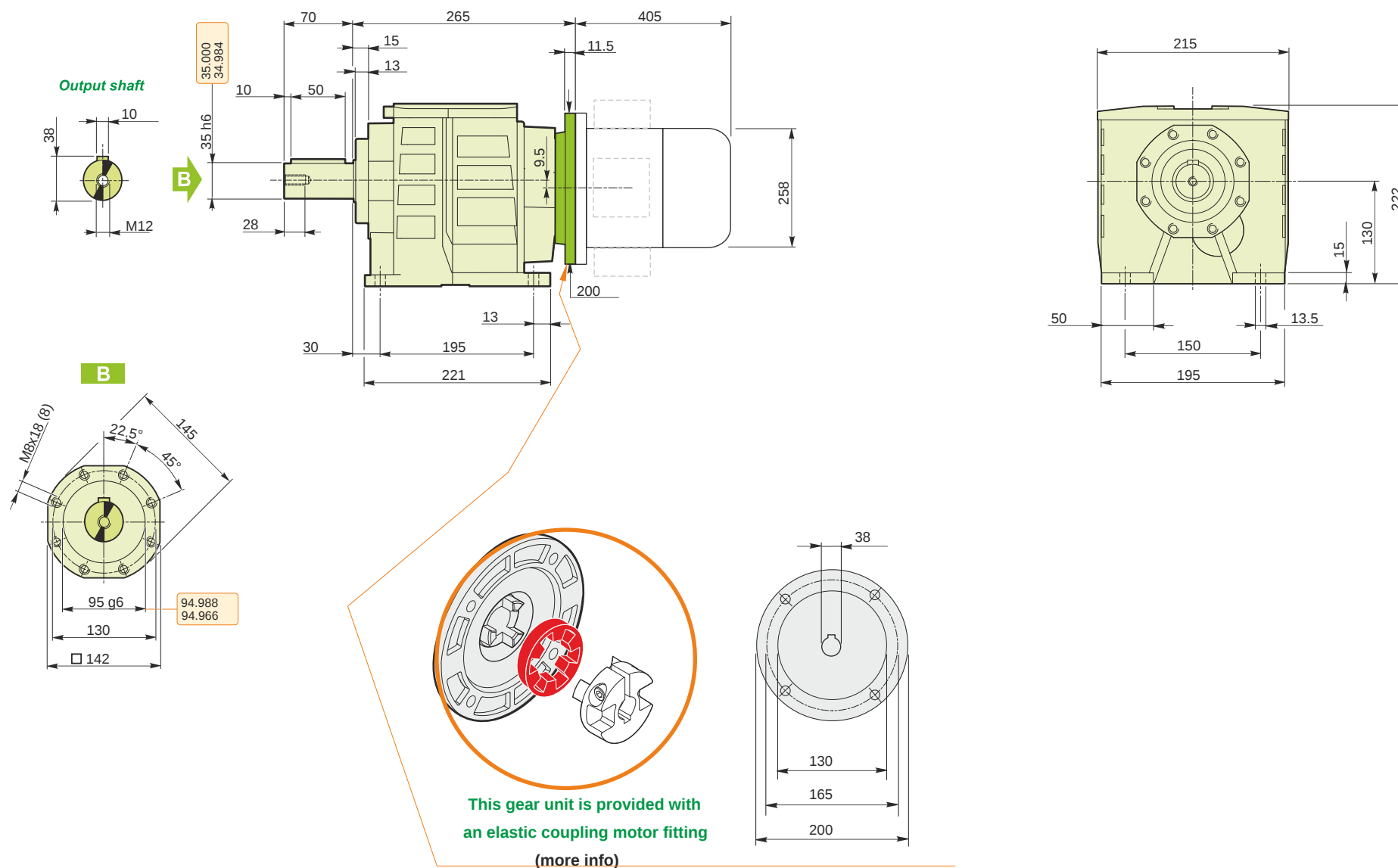
Output radial load	[N]	5700
Output axial load	[N]	1140

Electric motor

Size		132 M4
Poles		4
Power	[kW]	7.5

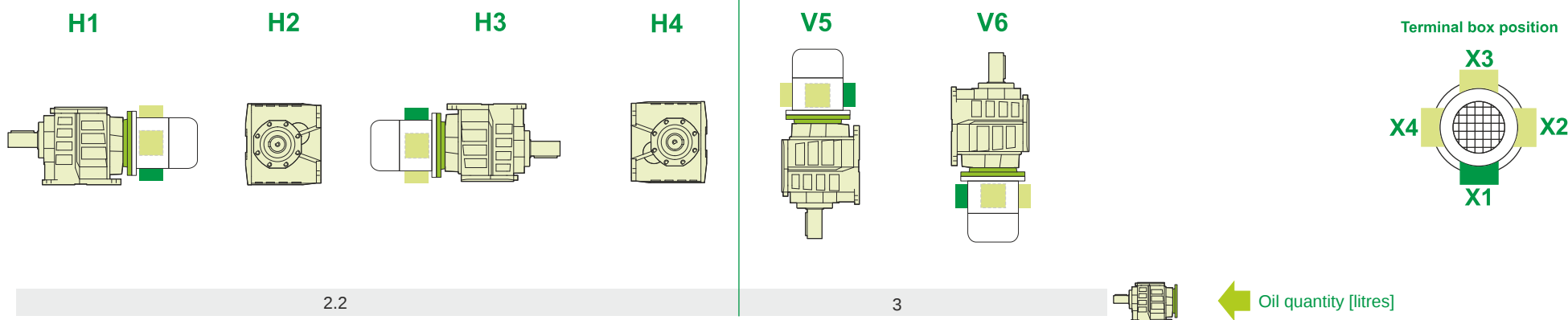
Electric motor configuration

Motor flange		B14
Terminal box position		X3



M RD 42 B3 H1 15.22 132 B14 AU 35x70 MT 7.5 kW 132 M4 B14 X3

Mounting positions



Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg]	20
Electric motor [kg]	52